

Trigonometry Student Edition

Over the years, the text has been shaped and adapted to meet the changing needs of both students and educators. The result is an easy-to-use, comprehensive text that is the best edition yet.

Special care was taken to respond to the specific suggestions of users and reviewers through enhanced discussions, new and updated examples and exercises, helpful features, and an extensive package of supplements and study aids

Contract Price

\$95.47

Grade

10, 11, 12

TYPE

P1

Copyright

2009

Author

Lial et al.

Edition

9th

Content

Trigonometry

Readability

10.4 Dale-Chall

Accessibility

none

Research

Teacher Edition	
0321530438	\$95.47
Trigonometry Annotated Instructor's Edition	
Essential Items	
Ancillary Items	
0321435192	\$1,200.00
Trigonometry - MathXL 100-Pack	
0321435184	\$300.00
Trigonometry - MathXL 25-Pack	
0201726114	\$20.00
Trigonometry - MathXL Single-Student Access	
Free with Purchase items	
0321530403	\$18.97
Trigonometry - Student Solutions Manual	
Free upon request, 1 per Teacher User, with a minimum purchase of 25 Student Editions	
0321530411	\$18.97
Trigonometry - Instructor's Solutions Manual	
Free upon request, 1 per Teacher User, with a minimum purchase of 25 Student Editions	
0321530500	\$25.97
Trigonometry - Insider's Guide	
Free upon request, 1 per Teacher User, with a minimum purchase of 25 Student Editions	
0321530519	\$18.97
Trigonometry - Instructor's Testing Manual	
Free upon request, 1 per Teacher User, with a minimum purchase of 25 Student Editions	
0321530527	\$18.97
Trigonometry - Skills and Drills	
Free upon request, 1 per Teacher User, with a minimum purchase of 25 Student Editions	
0321530535	\$25.97
Trigonometry - Video Lectures on CD	
Free upon request, 1 per Teacher User, with a minimum purchase of 25 Student Editions	
0321530551	\$49.97
Trigonometry - TestGen	
Free upon request, 1 per Teacher User, with a minimum purchase of 25 Student Editions	
032153042X	\$13.97
Trigonometry - Graphing Calculator Manual	
Free upon request, 1 per Teacher User, with a minimum purchase of 25 Student Editions	

Evaluation Tool for Basal Instructional Materials
Mathematics (2009 – 2015)

Provided by the Publisher	ISBN 0131354809		Publisher - Pearson Education, Inc., publishing as Prentice Hall		Provided by the Publisher
	Trigonometry Student Edition				
	Type - P1	Author - Lial et al.			
	Copyright - 2009	Edition - 9th	Readability - 10.4 Dale-Chall		
	Course - Trigonometry		Grade(s) - 10, 11, 12		
Teacher Edition ISBN if applicable0321530438					

Overall Recommendation:	Recommended as BASAL
Overall Strengths, Weaknesses, Comments:	if this box is not checked, the evaluators have chosen NOT recommend as basal
This text would be excellent as an offering for the fourth year math course.	

NIMAC Accessibility NONE
 Ancillary Yes
 Free with Purchase Yes
 Research No

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CRITERIA

This basal resource ...

A. Encompasses KY Content Standards & Grade Level Expectations Strong Evidence	
Text is designed to be used in an elective course outside the Program of Studies	
1) Includes the 5 Big Ideas of mathematics to the following extent:	
a) Number Properties and Operations	Little or No Evidence
b) Measurement	Strong Evidence
c) Geometry	Moderate Evidence
d) Data Analysis and Probability	Not Applicable
e) Algebraic Thinking	Strong Evidence
2) Addresses content-specific enduring understandings from the related Program of Studies standards.	Strong Evidence
3) Addresses content-specific skills and concepts from the related Program of Studies standards.	Moderate Evidence
4) Content addressed is current, relevant and non-trivial	Strong Evidence
5) Provides opportunities for critical thinking/reasoning	Strong Evidence

6) Strengths, Weaknesses, Comments:

- Specific strengths-which areas/concepts are covered exceptionally well?
- Specific weaknesses-which areas/concepts would likely require supplementing?

A trigonometry course is beyond the scope of the Program of Studies, therefore many items in the POS may not be directly addressed. However, for the purpose this text is intended, the content is very strong.

B. Functionality & Suitability

Moderate Evidence

1) Suitability

Strong Evidence

- Should be suitable for use with a diverse population and is free of bias regarding race, age, ethnicity, gender, religion, social and/or geographic environment; is free of stereotyping or bias of any kind.

2) Content quality

Strong Evidence

- Free from factual errors
- Content is presented conceptually when possible—more than a mere collection of facts
- Content included accurately represents the knowledge base of the discipline
- Theories/scientific models contained represent a broad consensus of the scientific community
- Interconnections among mathematical topics

3) Connections to Literacy

Little or No Evidence

- Employs a variety of reading levels and is grade/level appropriate
- Use of multiple representations-concrete, visual/spatial, graphs, charts, etc.
- Provides opportunities for summarizing, reviewing, and reinforcing vocabulary skills and concepts at multiple levels of difficulty for a variety of learning styles.
- Student text provides opportunity to integrate reading and writing
- Uses vocabulary that is age and content appropriate
- Focuses on critical vocabulary vs. extensive lists
- Identifies key vocabulary through definitions in both text and glossary
- The text is engaging and facilitates learning
- Embedded activities enhance the understanding of the text

Note: may apply to either student or teacher editions

4) Connections to Technology

Moderate Evidence

- Integrates technology and reflects the impact of technological advances
- Uses technology in the collection and/or manipulation of authentic data
- Embeds web links as a mathematics resource.

5) Support for Diverse Learners

Little or No Evidence

- Provides support for ESL students
- Provides support for differentiation of instruction in diverse classrooms
- Challenge for gifted and talented students
- Support for students with learning difficulties

Note: may apply to either student or teacher editions

6) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

With vocabulary development and connections to writing, this text could easily be considered strong in Functionality and Suitability.

C. Supports Inquiry and Skill Development	Strong Evidence
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1) Promotes Inquiry, research and Application of Learning

Strong Evidence

- Provides opportunities for inquiry and research that includes activities such as gathering information, researching resources, observing, interviewing, and evaluating information, analyzing and synthesizing data and communicating findings and conclusions, formulating authentic questions to deepen and extend mathematical reasoning.
- Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, generalizing, justifying, etc.)
- Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills.
- Provides opportunities for application of learned concepts.
- Uses a variety of relevant charts, graphs, diagrams, number lines, and other illustrations to invite and motivate students to engage in discussion, problem solving, and other high-order thinking skills.
- Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning.

Note: may apply to either teacher or student edition

2) Skill Development

Strong Evidence

- Provides opportunities to make sense of all mathematics
- Provides opportunities to recognize, create, and extend patterns.
- Provides opportunities for critical thinking and reasoning.
- Provides opportunities to justify/prove responses.
- Provides opportunities to ask deeper questions.
- Contains embedded activities (or extensions) that emphasize use of technology for problem solving

Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

[Click here to enter text.](#)

D. Supports Best Practices of Teaching and Learning	Moderate Evidence
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1) Engages Students

Strong Evidence

- Includes content geared to the needs, interests, and abilities of all students
- Engages and motivates students using components such as real-life situations, simulations,

Evaluation Tool for Basal Instructional Materials
Mathematics (2009 – 2015)

experiments, and data gathering.

- Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences
- Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels
- Activities are truly congruent to the concepts addressed, not merely correlated

Note: may apply to either teacher or student edition

2) Uses Assessment to Inform Instruction

Moderate Evidence

- Includes multiple means of assessment as an integral part of instruction
- Provides evaluation measures in the teacher edition that supports differentiated learning activities
- Embedded assessments reflect a variety of Depth of Knowledge levels

Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards

[Click here to enter text.](#)

E. Has an Organization/ Format that Supports Learning and Teaching

Strong Evidence

1) Organizational Quality

Strong Evidence

- Print and/or electronic materials present minimal barriers to learners, but also add encouragement for students to stretch and make further explorations.
- Presents chapters/lessons in an organized and logical sequence
- Provides clearly stated objectives for each lesson.
- Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
- Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components, interactive software, calculators, physical and virtual manipulatives) as either student or teacher resources
- Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.
- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively
- Uses grade-appropriate type size
- Included media are durable, easy to use and have technical merit
- Construction appears to be durable and able to withstand normal use

2) Essential Components (beyond student and teacher text)

Little or No Evidence

- Items identified as essential components support the learning goals and concept coverage of the basal

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

The text lacks identification of objectives and alternate media is limited to the graphing calculator.

F. Has available Ancillary/ Gratis Materials

Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F

Strong Evidence

1) Ancillary/Gratis Materials

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving
- Provides opportunities for intervention.

2) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

For a text at this level, the ancillary materials far exceed most texts.
